AN/TSQ-84

[PICTURE NOT AVAILABLE]

SYSTEM IDENTIFIERS	
NOMENCLATURE:	Communications Technical Control Center
SSN:	N/A
LIN:	E60197
NSN:	5895-01-007-4788
AMIM NO:	N/A
EIC:	HGW
FUEL TYPE:	-----

SYSTEM DESCRIPTION
The AN/TSQ-84 is an air or ground transportable technical control center used to test and interface various types of communications systems. It is capable of terminating, interfacing, patching, and testing both voice and digital circuits. It is equipped with line conditioning equipment used to connect defense and commercial communications systems. The system is capable of providing service to 432 4-wire land circuits.

The list below identifies components associated with this weapon/materiel system.

AN/TSQ-84

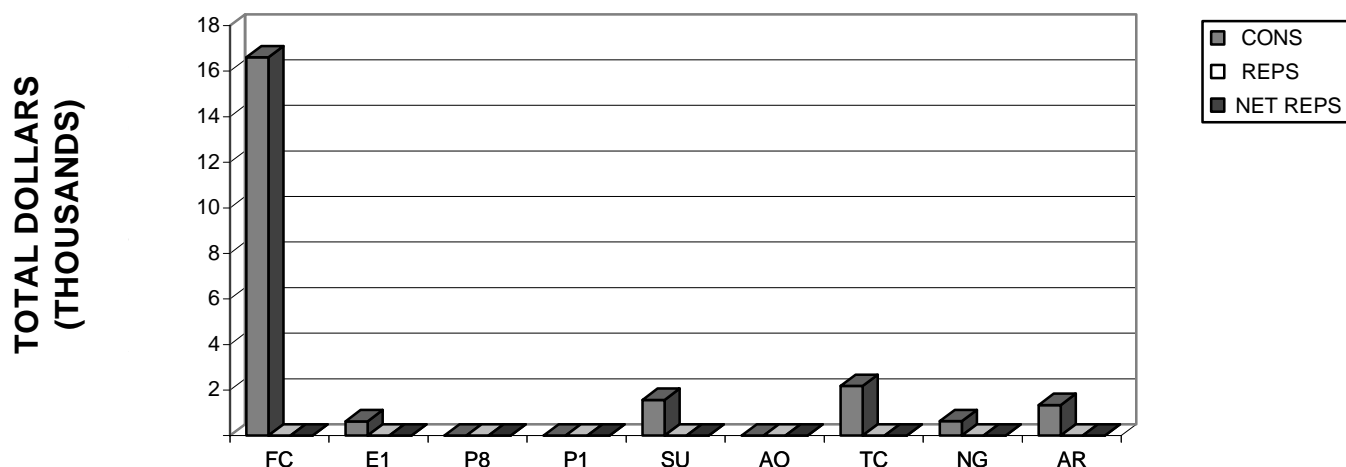| LIN	NSN	NOMENCLATURE
A23988	4120-00-411-5443	AIR CONDITIONER, FL/WAL
H10908	4240-00-229-2610	ENTRANCE PROTECTIVE PRE
H48904	4240-00-237-0227	FILTER UNIT GAS-PARTICU
J87608	4240-01-063-4655	INSTALLATION KIT, CBR PRO
M37376	6625-00-498-3469	METER AUDIO LEVEL ME-2
U81707	5805-00-257-3602	SWITCHBOARD TELEPHONE, MANUAL
V31211	5805-00-503-2775	TELEPHONE SET, TA-43/PT
V57729	5805-00-907-8300	TERMINAL TELEGRAPH, TH-22/TG

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

AN/TSQ-84
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)

DENSITY		DEPOT END ITEM MAINTENANCE (5.061)	
		TOTAL	$155,729
NUMBER OF SYSTEMS	13	QUANTITY COMPLETED	1
		AVG COST/END ITEM	$155,729.00

CLASS III-POL (5.05)	DEPOT SECONDARY ITEM MAINTENANCE	
	TOTAL	$0
NOT APPLICABLE	QUANTITY COMPLETED	0
	AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

INTERMEDIATE MAINTENANCE

	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$0	$0
AVG COST/SYSTEM	$0.00	$0.00
MAINTENANCE MANHOURS	0	0
MMHs/SYSTEM	0.00	0.00

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$22,333	$1,717.92
NET REPARABLES	$0	$0.00
NET TOTAL COSTS	$22,333	$1,717.92

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

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AN/TSQ-84 FY 94 MACOM CLASS IX COSTS							
MACOM				NET	NET TOTAL	NUMBER OF	AVG PER
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM
FC	FORSCOM	16,605	0	0	16,605	5	3,321
E1	USAREUR	630	0	0	630	0	0
P8	EUSA	0	0	0	0	0	0
P1	USARPAC	0	0	0	0	0	0
SU	USARSO	1,569	0	0	1,569	1	1,569
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	2,180	0	0	2,180	1	2,180
NG	ARNG	635	0	0	635	4	159
AR	USAR	1,344	0	0	1,344	2	672
TA	TOTAL ARMY	22,333	0	0	22,333	13	1,718

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.
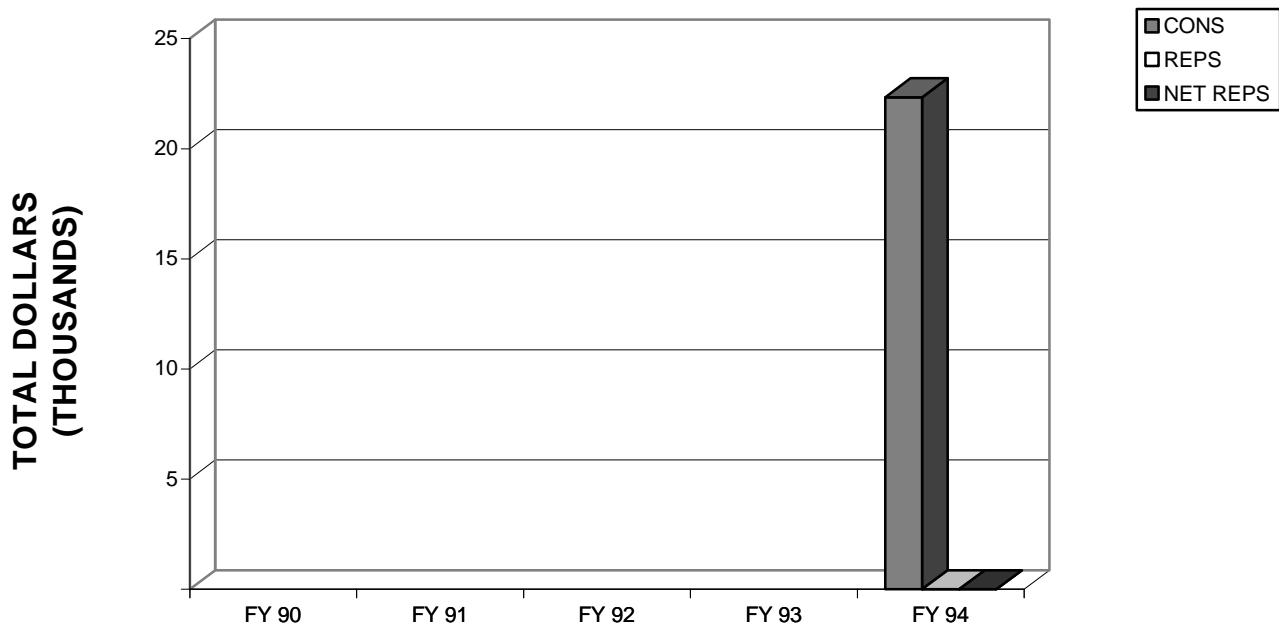
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AN/TSQ-84 FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	22,333	0	0	22,333	13	1,718

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

	AN/TSQ-84 FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS						
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	SENSORS	0	0	0	0	0	0
02	PROCESSING (ADPE)	0	0	0	0	0	0
03	COMMUNICATIONS	2,798	0	0	2,798	13	215
04	PERIPHERALS	0	0	0	0	0	0
05	ENVIRON SUPPORT	16,103	0	0	16,103	13	1,239
06	APPLICATIONS SFT	0	0	0	0	0	0
07	SYSTEM SOFTWARE	0	0	0	0	0	0
08	INT, ASSY, TEST, C/O	0	0	0	0	0	0
09	OTHER	3,432	0	0	3,432	13	264
	TOTAL	22,333	0	0	22,333	13	1,718

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

		FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
WBS	NAME					
01	SENSORS					0
02	PROCESSING (ADPE)					0
03	COMMUNICATIONS					2,798
04	PERIPHERALS					0
05	ENVIRON SUPPORT					16,103
06	APPLICATIONS					0
07	SYSTEM SOFTWARE					0
08	INT, ASSY, TEST, C/O					0
09	OTHER					3,432
	TOTAL					22,333
	NUM OF SYSTEMS					13
	AVG PER SYSTEM					1,718

AN/TSQ-84
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	4130010338381	COMPRESSOR UNIT,REF	05B	Z		B22W5	2,593.00	4.80
2.	2540004595946	COVER,FITTED,VEHICU	05A	Z		B22VR	225.00	11.43
3.	6140000593528	BATTERY STORAGE	09	F		K21PU	70.06	21.80
4.	5995007179943	CABLE ASSEMBLY,TELE	03E	Z		Q224V	11.39	101.00
5.	6115012061271	COVER,GENERATOR SET	05A	Z		B22VR	225.00	2.57
6.	5340003563579	HANDLE ASSEMBLY	09	Z		T2200	37.38	15.38
7.	5925010964677	CIRCUIT BREAKER	03J	Z		Q2200	14.68	25.00
8.	4820001857659	VALVE,EXPANSION	09	Z		J2200	110.71	2.58
9.	5945005496348	RELAY,ELECTROMAGNET	03J	Z		Q2200	94.69	2.46
10.	5340010539892	COVER,ACCESS	09	Z		T2200	26.06	6.92
11.	4130008249197	FILTER-DRIER,REFRIG	05B	Z		J2200	5.17	32.46
12.	6105001849096	MOTOR,ALTERNATING C	05A	Z		J2200	456.00	0.33
13.	6140010559627	BATTERY,STORAGE	09	Z		Q2200	14.58	10.00
14.	6240001964501	LAMP,INCANDESCENT	09	Z		J2200	13.46	8.78
15.	6645004102395	CLOCK,PANEL	09	Z		E2200	19.58	5.33
16.	5805005033341	TELEPHONE CIRCUIT, O	03J	Z		Q2200	367.61	0.25
17.	5945004825770	RELAY,ELECTROMAGNET	03J	Z		Q2200	38.26	2.37
18.	5805005033337	TELEPHONE TA-222/PT	03J	F		G21RH	44.00	2.01
19.	5935000459832	CONNECTOR,RECEPTACL	03J	Z		G22RL	173.00	0.48
20.	5995010964562	CORD ASSEMBLY,ELECT	03J	Z		Q22RV	17.53	3.83
21.	5925008444132	CIRCUIT BREAKER	03A	Z		Q23RF	8.12	8.00
22.	5945000077669	RELAY,ELECTROMAGNET	03J	Z		Q2200	201.18	0.32
23.	6625000655258	METER,ARBITRARY SCA	09	Z		Q2200	18.63	3.08
24.	2540008926243	LADDER,VEHICLE BOAR	05C	Z		J2200	113.94	0.42
25.	5930004825774	SWITCH,THERMOSTATIC	03J	Z		Q2200	51.86	0.88
26.	4240010573378	COMPARTMENT,CONTROL	09	F		M21ZK	2,225.00	0.02
27.	5975009032286	STRAP,TIEDOWN,ELECT	03J	Z		Q2200	2.38	18.01
28.	4240010551493	VALVE,AIRFLOW	09	F		M21ZK	977.00	0.04
29.	5925004069653	CIRCUIT BREAKER	03J	Z		Q2200	62.58	0.61
30.	5940009489686	TERMINAL,QUICK DISC	03J	Z		Q2200	3.45	10.81
31.	4240010675605	FILTER SET,GAS PAR	09	Z		M22ZK	533.00	0.07
32.	2990000564628	MUFFLER,EXHAUST	05C	Z		J2200	105.27	0.33
33.	6135009300030	BATTERY, NONRECHARG	09	Z		G22TJ	12.03	2.91
34.	5961009887406	TRANSISTOR	03J	Z		Q2200	0.53	63.00
35.	5340009147303	STRAP,WEBBING	09	Z		T2200	11.58	2.27
36.	5930001908730	SWITCH,PRESSURE	03J	Z		Q2200	31.68	0.76
37.	6645000898842	METER,TIME TOTALIZI	09	Z		E2200	18.00	1.33
38.	4130004697686	FILTER ELEMENT,AIR	05B	Z		J2200	9.19	2.66
39.	4820002422985	VALVE,EXPANSION	09	Z		J2200	29.21	0.79
40.	4820004828087	VALVE,EXPANSION	09	Z		J2200	71.83	0.30

NUMBER OF SYSTEMS	13

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE	
			QTY	EXTENDED COST
12,446	957.38	36.9231		
2,572	197.85	87.9231		
1,528	117.54	167.6923		
1,150	88.46	776.9231		
578	44.46	19.7692		
575	44.23	118.3077		
367	28.23	192.3077		
286	22.00	19.8462		
232	17.85	18.9231		
180	13.85	53.2308		
167	12.85	249.6923		
150	11.54	2.5385		
146	11.23	76.9231		
118	9.08	67.5385		
105	8.08	41.0000		
92	7.08	1.9231		
91	7.00	18.2308		
88	6.77	15.4615		
83	6.38	3.6923		
67	5.15	29.4615		
65	5.00	61.5385		
64	4.92	2.4615		
57	4.38	23.6923		
48	3.69	3.2308		
46	3.54	6.7692		
45	3.46	0.1538		
43	3.31	138.5385		
39	3.00	0.3077		
37	2.85	4.6923		
37	2.85	83.1538		
37	2.85	0.5385		
35	2.69	2.5385		
35	2.69	22.3846		
33	2.54	484.6154		
27	2.08	17.4615		
25	1.92	5.8462		
24	1.85	10.2308		
24	1.85	20.4615		
22	1.69	6.0769		
22	1.69	2.3077		

21,786	97.6%	TOP 40
547	2.4%	OTHERS
22,333		

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COST DRIVERS
CLASS IX REPARABLES (DLRs)

| NSN | NOMENCLATURE | WBS | MRC | ARI | MATCAT | FY 94 AMDF UNIT PRICE | | FY 94 |
						W/O CREDIT	W/CREDIT	QTY

NO DATA

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE	
			QTY	EXTENDED COST (W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	62,859	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	8,673	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	84,197	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	155,729	0	0	0	0	0
QTY COMPLETED	0	1	0	0	0	0	0
AVG COST	0	155,729	0	0	0	0	0

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.61). CIVILIAN LABOR COSTS are a summation from the source data.

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FY 94 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	0	0	0	0	0.00
USAREUR	0	0			
EUSA	0	0			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	0	0			
USAR	0	0			
TOTAL ARMY	0	0	0	0	0.00

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TSQ-84 FIVE YEAR DEPOT MAINTENANCE COSTS										
COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					62,859					0
MILITARY LABOR					0					0
MATERIEL					8,673					0
TRANSPORTATION					0					
OVERHEAD					84,197					0
CONTRACT					0					0
OTHER					0					0
TOTAL					155,729					0
QTY COMPLETED					1					0
AVG COST					155,729					0

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/TSQ-84 FIVE YEAR INTERMEDIATE MAINTENANCE COSTS										
	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
MACOM	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					0					0
USAREUR					0					
EUSA					0					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					0
ARNG					0					
USAR					0					
TOTAL ARMY					0					0
LABOR HRS					0					0
COST PER HR					0.00					0.00

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

AN/TSQ-84 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
			NO DATA AVAILABLE		

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

AN/TSQ-84 FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
			NO DATA AVAILABLE		

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

AN/TSQ-84 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
			NO DATA AVAILABLE		

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

AN/TSQ-84 FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE	FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
			NO DATA AVAILABLE		

CHOOSE A VOLUME FOR MORE SYSTEMS

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